Alex Baratta

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EDUCATION

Baylor University — Waco, TX
Bachelor of Science in Computer Science — *Aug. 2020 – May 2025*
Relevant Coursework: Software Engineering, Data Structures, Algorithms, Computer Systems

EXPERIENCE

Software Engineer Intern — September 2023 – Present
Altius Strategic Consulting — *Remote*
- Contributed to the development of a cloud-based financial analysis tool using React, MongoDB, and Javascript, enhancing user experience and data processing capabilities
- Involved in designing a user-centric interface, focusing on intuitive navigation and effective data visualization
- Analyzed complex data sets to ensure the application's data integrity, precision, and reliability
- Successfully migrated a comprehensive financial model from Excel to a cloud-based platform

PROJECTS

Pomodoro Timer | *JavaScript, Electron, HTML, CSS* — November 2023 - Current
- Developed an Electron-based time management application offering a minimalist interface to enhance focus and productivity during work sessions
- Implemented a user-friendly, distraction-free timer interface, and laid groundwork for future features including customizable timer settings and notifications
- Incorporated cloud synchronization across devices, enabling users to seamlessly manage tasks and track progress anytime

Application Tracker | *JavaScript, React, HTML, CSS, MongoDB* — August 2023 - Current
- Developed a MERN Stack web app to allow users to track their job application status
- Implemented web scraping capabilities in order to find newly posted job applications
- Incorporated user login and authentication using Bcrypt to allow for multiple users on the site

Alexbaratta.com | *JavaScript, HTML, CSS* — December 2023 - February 2024
- Designed and developed a personal portfolio website to showcase projects
- Implemented a user-friendly navigation system, enhancing the site's usability and accessibility
- Leveraged advanced JavaScript techniques to create interactive elements, such as scroll-triggered animations and responsive mouse movements, adding a layer of sophistication to the user experience.

Coders Of The Caribbean | *Java, Maven, SQL, Git* — September 2023 - December 2023
- Developed a full-stack desktop application to simulate a cruise booking system
- Spearheaded a multidisciplinary team, fostering innovation and collaboration in designing and implementing key system features for both guests and travel agents
- Streamlined project processes and resolved complex challenges, ensuring the delivery of a high-quality, user-friendly travel booking system
- Designed the entire front-end UI utilizing Figma to create intuitive wireframes and interfaces, significantly enhancing user interaction and visual appeal

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, HTML/CSS, SQL, x86 Assembly, Bash, LaTeX
Frameworks: React, Node.js, Express.js, MongoDB, Spring, Next.js, MySQL, JUnit
Developer Tools: Git, VS Code, CLion, IntelliJ, Postman, Vim, Docker

ADDITIONAL

- Native Italian and conversational Spanish speaker
- International Baccalaureate (IB) Diploma recipient